ABSORBENT PRODUCT WITH REDUCED REWET PROPERTIES UNDER LOAD

I claim:

- An absorbent article comprising:
 - a liquid impervious outer layer;
 - a liquid pervious inner layer overlaying and operatively associated with the outer layer;

an absorbent core disposed between the outer layer and inner layer; an apertured film, disposed between the inner layer and the absorbent core, comprising a liquid impervious film surface having a plurality of protrusions extending therefrom towards the absorbent core, each protrusion terminating at an aperture in the apertured film; and

wherein the absorbent article has a 200 milliliter rewet under load of less than about 1.25 grams and a 300 milliliter rewet under load of less than about 4 grams.

- 2. The absorbent article of claim 1, further comprising a tissue layer surrounding the absorbent core and the apertured film.
- 3. The absorbent article of claim 1, further comprising a transfer layer disposed between the inner layer and the absorbent core.
- 4. The absorbent article of claim 1, wherein the apertured film covers substantially all of a surface of the absorbent core facing the inner layer.
- 5. The absorbent article of claim 1, wherein the apertured film covers an insult region of the absorbent core.
- 6. The absorbent article of claim 1, wherein the protrusions extend in a direction substantially orthogonal to the liquid impermeable film surface.
- 7. The absorbent article of claim 1, wherein the protrusions are substantially circular.
- 8. The absorbent article of claim 1, wherein the protrusions are substantially hexagonal.

- 9. The absorbent article of claim 1, wherein the protrusions are substantially linear slits.
- 10. The absorbent article of claim 1, wherein the area of each protrusion is less at the aperture than at the film surface.
- 11. The absorbent article of claim 1, wherein the apertured film has a loft of between about 0.500 millimeters and about 1.500 millimeters.
- 12. The absorbent article of claim 1, wherein the apertured film has a loft of between about 0.750 millimeters and about 1.250 millimeters.
- 13. The absorbent article of claim 1, wherein the apertured film has a loft of about 1.000 millimeters.
- 14. The absorbent article of claim 1, wherein the apertured film has a porosity of between about 71.5 $\text{m}^3_{\text{air}}/\text{min m}^2_{\text{film}}$ and about 122 $\text{m}^3_{\text{air}}/\text{min m}^2_{\text{film}}$.
- 15. The absorbent article of claim 1, wherein the apertured film has a porosity of between about 84.0 $\text{m}^3_{\text{air}}/\text{min}$ m^2_{film} and about 109 $\text{m}^3_{\text{air}}/\text{min}$ m^2_{film} .
- 16. The absorbent article of claim 1, wherein the apertured film has a porosity of about $96.5 \text{ m}^3_{air}/\text{min m}^2_{film}$.
- 17. The absorbent article of claim 1, wherein the apertured film has a drain rate of between about 597 kg/s m²_{film} and about 995 kg/s m²_{film}.
- 18. The absorbent article of claim 1, wherein the apertured film has a drain rate of between about 697 kg/s m²_{film} and about 896 kg/s m²_{film}.
- 19. The absorbent article of claim 1, wherein the apertured film has a drain rate of about $796 \text{ kg/s m}^2_{\text{film}}$.
- 20. The absorbent article of claim 1, wherein the absorbent article has a 200 milliliter rewet under load of less than about 0.80 grams.
- 21. The absorbent article of claim 1, wherein the absorbent article has a 200 milliliter rewet under load of about 0.56 grams.
- 22. The absorbent article of claim 1, wherein the absorbent article has a 300 milliliter rewet under load of less than about 3.00 grams.

- 23. The absorbent article of claim 1, wherein the absorbent article has a 300 milliliter rewet under load of less than about 1.94 grams.
- 24. The absorbent article of claim 1, wherein the absorbent article has a surface wetness 30 minutes after a 40 milliliter insult of less than about 27%.
- 25. The absorbent article of claim 1, wherein the absorbent article has a surface wetness 30 minutes after an 80 milliliter insult of less than about 70%.
- 26. The absorbent article of claim 1, wherein the absorbent article has a surface wetness 30 minutes after a 120 milliliter insult of less than about 87%.